

Industrial Single Board Computer

Mini-ITX motherboard

LV-667

VIA CN400 with DDR266/333/400

Onboard VGA, Dual LAN, Mini-AGP

SATA, IEEE1394, USB2.0, 4 x COM

AC97 5.1 Channel Audio



Form Factor	Mini-ITX compact motherboard
CPU	Embedded VIA C3/Eden Processor Speed: 1.0GHz/800MHz (Fanless with Eden 800MHz) Front side bus: 133MHz L1/L2 Cache: 128KB/64KB (Optional up to 1.2GHz with 200MHz FSB)
Memory	1 x 184-pin DDR266/333/400 SDRAM up to 1GB
Chipset	VIA CN400 & VT8237
Real Time Clock	Chipset integrated RTC with onboard lithium battery
Watchdog Timer	Winbond W83697UF with system generates 256 levels reset
Power Management	ACPI 1.0 compliant, supports power saving mode with ATX PSU
PCI Enhanced IDE	Two UltraATA/100 IDE channels up to 4 ATAPI devices Onboard 1 x 40-pin & 1 x 44-pin IDE connectors
VGA Interface	VIA CN400 integrates S3 Graphics UniChrome Pro IGP graphics core MPEG-II/MPEG-4 hardware accelerator integrated
Video Memory	Up to 64MB shared with system memory
Serial ATA interface	2 x Serial ATA interface with 150MB/s transfer rate RAID 0/1 supported
Audio Interface	VIA VT8237 integrates with VT1616 AC97 5.1CH codec
DVI Interface	Optional onboard DVI interface
TV-out Interface	Optional onboard SDTV/HDTV interface
LVDS Interface	Optional 18/24-bit LVDS interface with Mini-AGP add-on card
LAN Interface	1 x VIA VT6103 10/100Mbps PHY 1 x REALTEK 8100B 10/100Mbps PCI controller
Solid State Disk	IDE1 supports DiskOnModule with +5V power supply 1 x Compact Flash Type-II socket
GPIO interface	Onboard programmable 8-bit Digital I/O interface
Extended Interface	1 x Onboard PCI slot 1 x optional Mini-AGP socket
External I/O Port	2 x RJ45 LAN ports, 1 x DB15 VGA port and 1 x PS/2 Keyboard/Mouse Port, 2 x RS232 Serial Ports, 2 x IEEE1394 ports, 4 x USB2.0 ports
External Audio Port	Line-out/Front, Line-in/Rear and MIC-in/Center

Internal I/O ports	1 x Slim type FDD, 1 x IEEE1394, 2 x USB2.0, 2 x RS232, 1 x SP/DIF
Power Requirement	Standard 20-pin ATX power supply
Board Dimension	170mm x 170 mm (L x W)
Operation Temperature	0 ~ 60 °C (32 ~ 140 °F)

Cable Kit



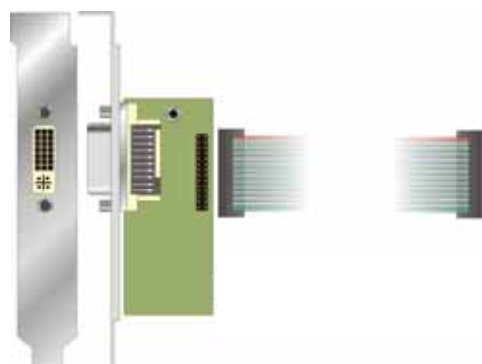
40-pin ATA100 IDE flat cable x 1



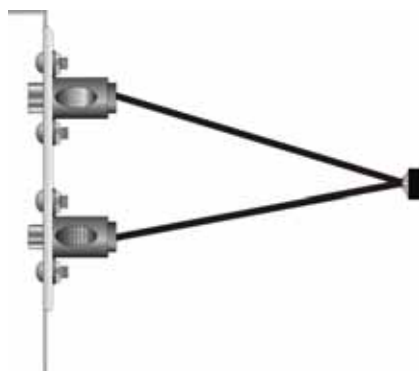
26-pin slim type floppy cable x 1



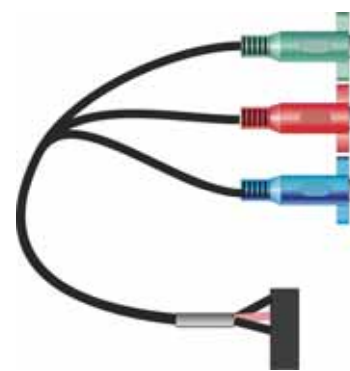
Serial ATA ribbon cable x 1



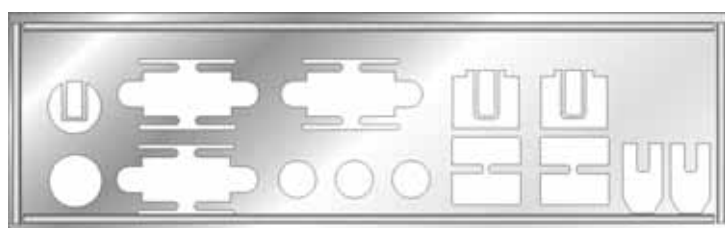
DVI output cable kit (LV-667D only)



SDTV cable x 1 (LV-667T only)



YPrPb cable x 1 (LV-667T only)



I/O Shield x 1

Ordering Code

LV-667	VIA CN400 with Embedded C3 1.0GHz, VGA, SATA, 5.1CH Audio, CF, PCI, 4 x RS232, Dual LAN, Mini-AGP
LV-667D	VIA CN400 with Embedded C3 1.0GHz, VGA, SATA, 5.1CH Audio, CF, PCI, 4 x RS232, Dual LAN, DVI
LV-667T	VIA CN400 with Embedded C3 1.0GHz, VGA, SATA, 5.1CH Audio, CF, PCI, 4 x RS232, Dual LAN, HDTV
LV-667E8	Same with LV-667 but with embedded Eden ESP8000 processor (Fanless)
LV-667E8D	Same with LV-667D but with embedded Eden ESP8000 processor (Fanless)
LV-667E8T	Same with LV-667T but with embedded Eden ESP8000 processor (Fanless)
MA-ATI	AGP 8x graphic card with ATI M10 GPU, 64MB DDR VRAM for Mini-AGP
MA-1631X	18/24-bit LVDS add-on card for Mini-AGP

For further product information please visit the website at <http://www.commell.com.tw>

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